

	Document Title: Structural Performance Certification Authorization Report	Doc No: FRM B1-02	
		Rev No: 7	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 622 - 104.0

Issue Date: 1/16/2015

Revision Date: 2/16/2018

Expiration Date: 9/22/2021

Company Code: 622

This Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review, and is based on a standardized evaluation of the product conducted by an independent accredited laboratory in accordance with the specified referenced standard. Actual fenestration product performance may vary based on many factors, including installation, condition of the wall/roof substrate and the age of the product and installation components.

This report indicates the product is eligible for the application of Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at www.keystonecerts.com.

Licensee Information:	Product Information:
Eastern Architectural Systems 16341 Domestic Avenue Fort Myers FL 33912	Model: Bay/Bow Aluminum Mullion Operator Type: Mull Config: No Reinforcement Max Width: See Table Max Height: See Table

Referenced Standard:	Product Rating:
AAMA 450-10 & PA/TAS 201/202/203	See Appendix 1 Load Tables and Impact Ratings

Qualifying Test Information:	
Test Report No:	CTLA-3010W-10A
Test Report Expiration:	9/22/2021

Authorized Signature:

Keystone Certifications, Inc.
145 Limekiln Rd. Suite 100B
New Cumberland, Pennsylvania 17070
Phone: 717-932-8500
Fax: 717-932-8501



Appendix 1

CAR No: 622-104.0
Expiration Date: 9/22/2018

Eastern Architectural Systems

10030 Bavaria Road
Fort Myers, FL 33913

Load Tables for the:

22.5 Degree Bay/Bow Aluminum Mullion

DESIGN PRESSURE LIMITS FOR MULLION: 22.5 Deg. - ONE-WAY MULLIONS									
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	18	24	30	36	42	48	53.125	54	60
24	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
36	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
48	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
60	200.0	200.0	200.0	175.3	159.1	149.0	144.1	143.5	141.6
72	179.3	137.2	112.6	96.9	86.2	78.9	74.6	74.0	70.8
84	112.1	85.4	69.6	59.4	52.3	47.2	44.1	43.6	40.9
96	74.8	56.7	46.1	39.1	34.2	30.7	28.4	28.0	26.0
108	52.3	39.6	32.1	27.1	23.6	21.1	19.4	19.1	17.7

DESIGN PRESSURE LIMITS FOR MULLION: 22.5 Deg. - TWO-WAY MULLIONS									
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	18	24	30	36	42	48	53.125	54	60
24	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
36	200.0	200.0	200.0	200.0	200.0	200.0	187.5	184.5	166.0
48	200.0	200.0	200.0	200.0	177.9	155.7	140.6	138.4	124.5
60	200.0	200.0	181.3	151.1	129.5	113.3	102.4	100.7	90.6
72	174.8	131.1	104.9	87.4	74.9	65.6	59.2	58.3	52.5
84	110.1	82.6	66.1	55.1	47.2	41.3	37.3	36.7	33.0
96	73.8	55.3	44.3	36.9	31.6	27.7	25.0	24.6	22.1
108	51.8	38.9	31.1	25.9	22.2	19.4	17.6	17.3	15.5

Impact Ratings

ASTM E1996 – Wind Zone 4, Missile Level D

PA/TAS 201/203 – Large Missile and Small Missile compliant



Appendix 1

CAR No: 622-104.0
Expiration Date: 9/22/2018

Eastern Architectural Systems

10030 Bavaria Road
Fort Myers, FL 33913

Load Tables for the:

45 Degree Bay/Bow Aluminum Mullion

DESIGN PRESSURE LIMITS FOR MULLION: 45 Deg. - ONE-WAY MULLIONS									
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	18	24	30	36	42	48	53.125	54	60
24	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
36	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
48	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
60	200.0	200.0	200.0	200.0	192.2	180.0	174.1	173.4	171.1
72	200.0	165.8	136.1	117.0	104.2	95.4	90.1	89.4	85.5
84	135.4	103.1	84.1	71.7	63.2	57.1	53.2	52.7	49.5
96	90.3	68.5	55.6	47.2	41.3	37.0	34.3	33.8	31.4
108	63.2	47.9	38.7	32.7	28.5	25.5	23.4	23.1	21.3

DESIGN PRESSURE LIMITS FOR MULLION: 45 Deg. - TWO-WAY MULLIONS									
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	18	24	30	36	42	48	53.125	54	60
24	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
36	200.0	200.0	200.0	200.0	200.0	200.0	187.5	184.5	166.0
48	200.0	200.0	200.0	200.0	177.9	155.7	140.6	138.4	124.5
60	200.0	200.0	199.2	166.0	142.3	124.5	112.5	110.7	99.6
72	200.0	158.4	126.7	105.6	90.5	79.2	71.6	70.4	63.4
84	133.0	99.8	79.8	66.5	57.0	49.9	45.1	44.3	39.9
96	89.1	66.8	53.5	44.6	38.2	33.4	30.2	29.7	26.7
108	62.6	46.9	37.6	31.3	26.8	23.5	21.2	20.9	18.8

Impact Ratings

ASTM E1996 – Wind Zone 4, Missile Level D

PA/TAS 201/203 – Large Missile and Small Missile compliant



Appendix 1

CAR No: 622-104.0
Expiration Date: 9/22/2018

Eastern Architectural Systems

10030 Bavaria Road
Fort Myers, FL 33913

Load Tables for the:

90 Degree Bay/Bow Aluminum Mullion

DESIGN PRESSURE LIMITS FOR MULLION: 90 Deg. - ONE-WAY MULLIONS									
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	18	24	30	36	42	48	53.125	54	60
24	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
36	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
48	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
60	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	199.2
72	200.0	200.0	200.0	184.5	167.4	155.7	148.6	147.6	142.3
84	200.0	183.3	149.5	127.5	112.3	101.5	94.6	93.6	87.9
96	160.5	121.8	98.9	83.9	73.4	65.8	60.9	60.2	55.9
108	112.4	85.1	68.9	58.2	50.7	45.2	41.6	41.1	37.9

DESIGN PRESSURE LIMITS FOR MULLION: 90 Deg. - TWO-WAY MULLIONS									
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	18	24	30	36	42	48	53.125	54	60
24	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
36	200.0	200.0	200.0	200.0	200.0	200.0	187.5	184.5	166.0
48	200.0	200.0	200.0	200.0	177.9	155.7	140.6	138.4	124.5
60	200.0	200.0	199.2	166.0	142.3	124.5	112.5	110.7	99.6
72	200.0	200.0	166.0	138.4	118.6	103.8	93.8	92.2	83.0
84	200.0	177.3	141.9	118.2	101.3	88.7	80.1	78.8	70.9
96	158.4	118.8	95.0	79.2	67.9	59.4	53.7	52.8	47.5
108	111.2	83.4	66.7	55.6	47.7	41.7	37.7	37.1	33.4

Impact Ratings

ASTM E1996 – Wind Zone 4, Missile Level D

PA/TAS 201/203 – Large Missile and Small Missile compliant